

DAT Conference Call Summary 4/8/2008

I. Participants

JSpeegle(FWS), JWhite(DFG), AChu(DWR), EGleason(DFG), FFeyrer(DWR), TBoardman (SLDMWA), RShahcheraghi(DWR), GAasen (DFG), TWashburn (USBR), DAbellon (DWR), LBartoo (FWS), RSitts (MWD), BPoytress(FWS), BOppenheim(NMFS), KTotzke(KCWD), RSitts(MWD)

II. Conclusions and Recommendation

No operational changes were recommended at this time.

Next DAT Call: Tuesday, 4/15/2008, 9:00 am - 11:00 am, (916) 657-4111.

III. Chinook Salmon Monitoring

Red Bluff Diversion Dam: For the period 3/24-4/6: Estimated passage of fall run chinook salmon averaged 1,415/day. Over the last 7 days estimated passage has been 74 for winter run and 140 for spring run. There was a single steelhead collected that expanded to an estimated passage of 25. Flows jumped up from 5,300 to 6,600 on March 31st. Water temperature has been about 52 degrees.

FWS posts biweekly reports on the Bay-Delta and Tributaries Project website, at http://baydelta.ca.gov/Php/Special_Reports/red_bluff.php

Mill Creek: Total catch of fall and spring run sized salmon for the week was 538 fall run, which was lower than the previous week.

Deer Creek: No sampling completed.

Butte Creek: No report.

GCID: No report.

Knights Landing: Catch continued to decline compared to previous weeks; only 1 spring run-sized chinook salmon was collected for the week.

IV. Delta Monitoring

For the period 03/30/08 to 04/05/08 and

Sac KDTR, 1 day, 10 samples, 1 CHNS & no other species of concern

Sac MWTR, 2 days, 20 samples, 1 CHNS & 1 CHNT (Note: Sacramento trawls changed sampling gear on 04/01/08 from KDTR to MWTR)

Mossdale KDTR, 3 days, 30 samples, 2 CHNS & no other species of concern

Chippis MWTR, 2 days, 26 samples, 3 CHNS, 4 CHNW, 1 CHNA (+500 mm), 4 CHNT & 1 DSM (74 mm)

LS Seine, 1 day, 6 samples, 13 CHNF & no other species of concern
ND Seine, 1 day, 7 samples, 9 CHNF & no other species of concern
CD Seine, 1 day, 9 samples, No species of concern
SD Seine, 1 day, 8 samples, No species of concern
SJ Seine, 1 day, 5 samples, No species of concern
Bay Seine, 1 day, 5 samples, No species of concern

V. Delta Smelt Monitoring

Spring Kodiak Trawl: <http://www.delta.dfg.ca.gov/data/skt/>
Survey 3 began April 7th and is currently in the field.

20mm Survey: <http://www.delta.dfg.ca.gov/data/20mm/>
Survey 2 was completed 4/1-4/4. One tow from 37 stations have been processed so far. No delta smelt have been observed yet. 432 longfin smelt have been observed so far at 23 stations. Size rang was 5-31mm.

DSWG: http://www.fws.gov/sacramento/es/delta_smelt_working_group.htm
The DSWG met 4/7/08 and made a recommendation for the FWS. FWS will make their recommendation to WOMT on 4/8/08

VI. Salvage Facilities

Salvage web site: <http://www.delta.dfg.ca.gov/Data/Salvage/>
Reporting Period: 3/31/2008 to 4/6/2008

Chinook salmon:

Only winter-run sized nonclipped salmon were salvaged at the CVP and SWP.

Numbers of nonclipped winter-run salmon dropped at the CVP while nonclipped winter-run salmon increased at the SWP.

For this reporting period, loss of winter-run nonclipped was 8 at the CVP.
For this reporting period, loss of winter-run nonclipped was 2 at the CVP.
Season total loss for nonclipped winter-run is 375 at the CVP and 909 at the SWP.

Seven fall-run sized nonclipped salmon were salvaged at the CVP during this period. No late fall-run sized nonclipped salmon were salvaged at the SWP or CVP.

Spring-run sized nonclipped salmon (203) and clipped salmon (8) were salvaged at the CVP. Spring-run sized nonclipped salmon (142) and clipped salmon (26) were salvaged at the SWP.

Season total loss for all races for both facilities is 5944 ad clipped and 2476 unclipped salmon

Steelhead:

Compared to last reporting period, the daily numbers of salvaged steelhead are higher (19 vs.5) at the SWP but lower at the CVP (32 vs. 49).

For the period of reporting, at the CVP, the salvage total of clipped steelhead is 11 and for nonclipped is 8. For the period of reporting, at the SWP, the salvage total clipped steelhead is 14 for nonclipped is 18.

Seasonal total salvage for CVP is 1558 clipped and 253 nonclipped steelhead
Seasonal total salvage for SWP is 1218 clipped and 579 nonclipped steelhead

Delta smelt:

No delta smelt were salvaged at either facility for the period of reporting.

Seasonal salvage totals are 252 for CVP and 98 for SWP

No larvae less than 20 mm were sampled.

Longfin smelt:

No longfin smelt were salvaged at either facility for the period of reporting.

Seasonal salvage totals are 51 for CVP and 40 for SWP

Longfin smelt larva less than 20 mm were sampled on 4/1/2008, 4/3/2008, and 4/5/2008.

Sacramento splittail:

Both CVP and SWP reported salvaging Sacramento splittail during this period.

For this reporting period, salvage totals for splittail was 198 for SWP which was an increase from the last reporting period (138). Twelve splittail were salvaged at the CVP which was an increase from the last reporting period (4).

Total seasonal salvage for both facilities was 4611.

Sturgeon:

One green sturgeon was collected at the CVP on April 5th

A white sturgeon was collected at the SWP on April 2nd and April 4th.

VII. Operations

SWP Delta Ops Summary: <http://swpoco.water.ca.gov/cmplmon/reports/deltaops.html>

USBR CVO Reports: <http://www.usbr.gov/mp/cvo/>

SWP:

CCFB – 1,600cfs.

Oroville – 1,250cfs

San Luis - SWP share of San Luis capacity is 917 taf.

X2 - ~ 77.8 km

E/I - 14-day ~28.4%

CVP:

Jones PP – 1,800cfs. Expected to drop to 1,000.

DCC - closed.

Trinity - 300cfs

Clear Creek - 200cfs

Keswick – 5500cfs. Expected to increase to 6,500.

Nimbus – 1,000cfs

Goodwin –1,000cfs

San Luis - CVP share of capacity is 749 taf.

Flows:

Sacramento River at Freeport ~ 9,028cfs

Fremont Weir ~ 0

San Joaquin River at Vernalis ~ 2,010cfs

Delta Outflow ~ 7,112cfs. 3-day average is 6,554cfs.

Old & Middle River flow ~ 7-day average is -1,783 cfs as of april 7th
(provisional estimate is -1,609cfs as of april 4st).

Temperature:

Daily average for 4/7/08

Antioch ~ 14.8C

Rio Vista ~ 14.6C

Mossdale ~ 15.9C

3-Station Average ~ 15.1C

VIII. Delta Water Quality

Delta continues to be in the "excess conditions" due to OMR fish action objective. Salinity in the Delta is general okay and continue to remain below concern levels with exception of South Delta.

Chipps Island X2 standard:

The standard for April is projected to be met for approximately 20-25 days by a maximum daily EC of 2.64, a maximum 14-day running average EC of 2.64, or a 3-day average outflow of 11,400cfs.

E/I:

35%

Delta Cross Channel:

The gates must be closed from February 1st to May 20th for the protection of winter-run Chinook.

Contra Costa Canal:

Cl \leq 250 mg/L. In addition, Cl \leq 150 mg/L are projected to be required for 165 days per year.

South Delta:

30-day average EC \leq 0.7 mS/cm.

Suisun Marsh:

\leq 11.0 mS/cm.

West Delta Salinity:

Emmaton, Jersey Point, Terminous, San Andreas: 14-day average EC \leq 0.45 mS/cm

San Joaquin Salinity:

14-day average EC \leq 0.44 mS/cm

VAMP:

Starts on April 22nd.

1,500cfs combined exports.

Approximately 3,000-4,000 pulse flow depending on water year type.

Final copies of the DAT notes are now available on the CALFED Operations website at <http://www.woco.water.ca.gov/calfedops/datsummaries.html>

Memorandum

To: Ms. Katherine Hill, Program Manager
Department of Fish and Game
North Central Region
1701 Nimbus Road
Rancho Cordova, CA 95670

Date: April 4, 2008

From: **Diane Coulon, Environmental Scientist**
Department of Fish and Game
North Central Region
Hamilton City Field Office
P.O. Box 117
Hamilton City, CA 95951

Subject: March 2008 Sacramento River Juvenile Salmonid Emigration Monitoring Project
Located at the Glenn-Colusa Irrigation District Fish Screen Facility

During the month of March the rotary screw trap was in operation for 31 days. There were four juvenile Chinook salmon captured that were in the winter-run size class. There were 11 (four adipose-clipped) spring-run Chinook salmon, and 709 (169 adipose-clipped) fall-run Chinook salmon captured in March. In this brood year (July 1, 2007 through June 30, 2008) we have captured a total of 1,795 winter-run, 448 spring-run, 7,517 fall-run, and 725 late-fall run Chinook salmon.

Attached are the March 2008 components of the ongoing juvenile salmonid emigration monitoring project at the Glenn-Colusa Irrigation District fish screen facility. This includes the summaries of unmarked juvenile Chinook salmon recoveries by race (Figures 1-4), and the daily river conditions for March (Table 1). Chinook salmon race was determined using size-at-time criteria (Johnson et al., 1992). The data contained in this report is preliminary; the final data will be compiled in an annual report.

Attachments (3)

cc: Mr. Bruce Herbold, U.S. Environmental Protection Agency
Mr. Pat Brandes, U.S. Fish and Wildlife Service
Mr. Jim Smith, U.S. Fish and Wildlife Service
Mr. Steve Ford, CA. Department of Water Resources
Ms. Sheila Green, CA. Department of Water Resources
Mr. Chuck Armor, CA. Department of Fish and Game
Mr. Mike Berry, CA. Department of Fish and Game
Mr. Bob Fujimura, CA. Department of Fish and Game
Ms. Colleen Harvey-Arrison, CA. Department of Fish and Game
Ms. Alice Low, CA. Department of Fish and Game
Ms. Tracy McReynolds, CA. Department of Fish and Game
Mr. Rob Titus, CA. Department of Fish and Game
Mr. Jim White, CA. Department of Fish and Game
Mr. Thad Bettner, Glenn-Colusa Irrigation District
Ms. Cynthia Davis, Glenn-Colusa Irrigation District
Mr. Rick Moncrief, Glenn-Colusa Irrigation District
Mr. Serge Birk, Central Valley Project Water Association

Figure 1. Summary of unmarked juvenile winter-run Chinook salmon recoveries in the Department of Fish and Game's rotary screw trap located at the GCID fish screen facility, 2005 through 2008.

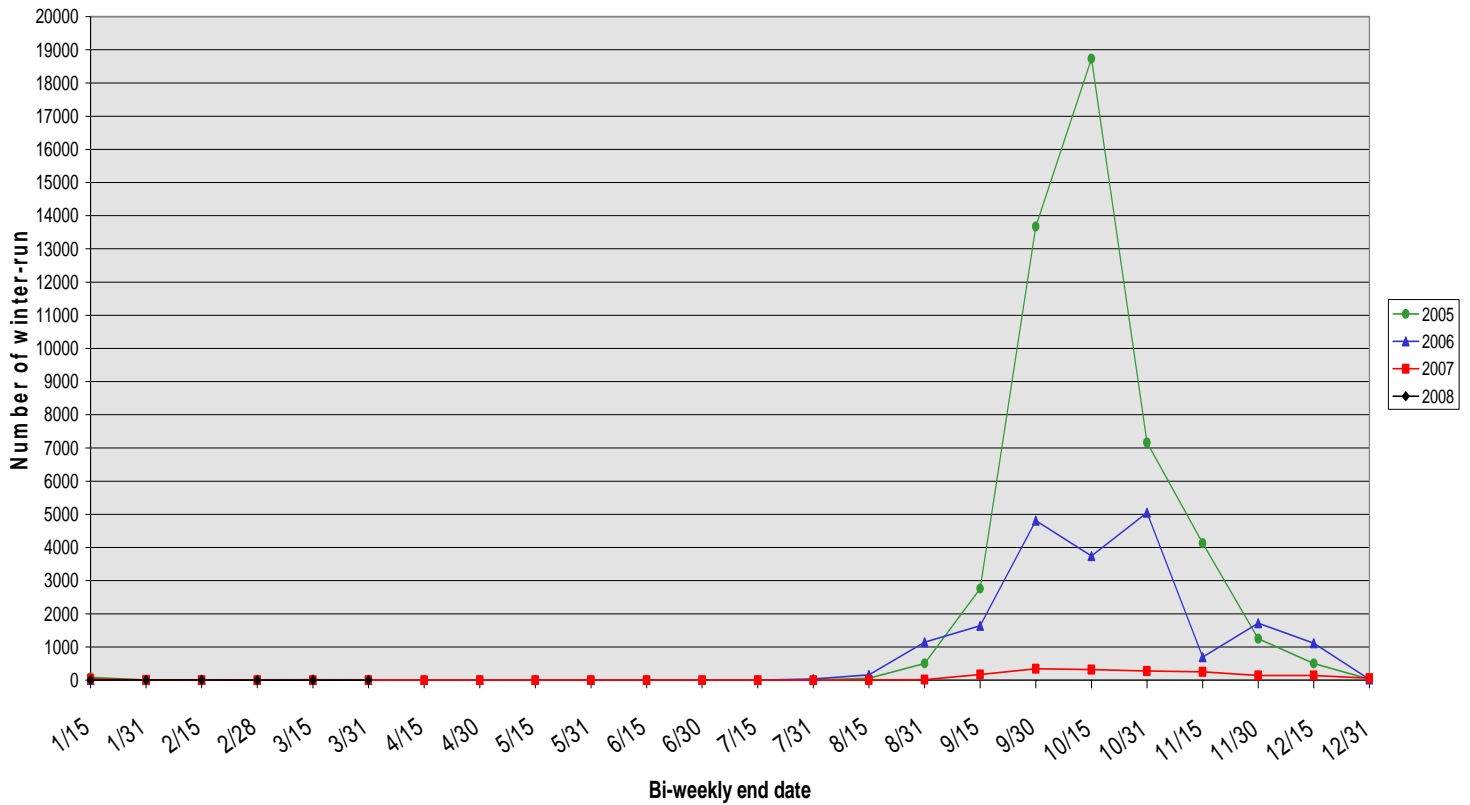


Figure 2. Summary of unmarked juvenile spring-run Chinook salmon recoveries in the Department of Fish and Game's rotary screw trap located at the GCID fish screen facility, 2005 through 2008.

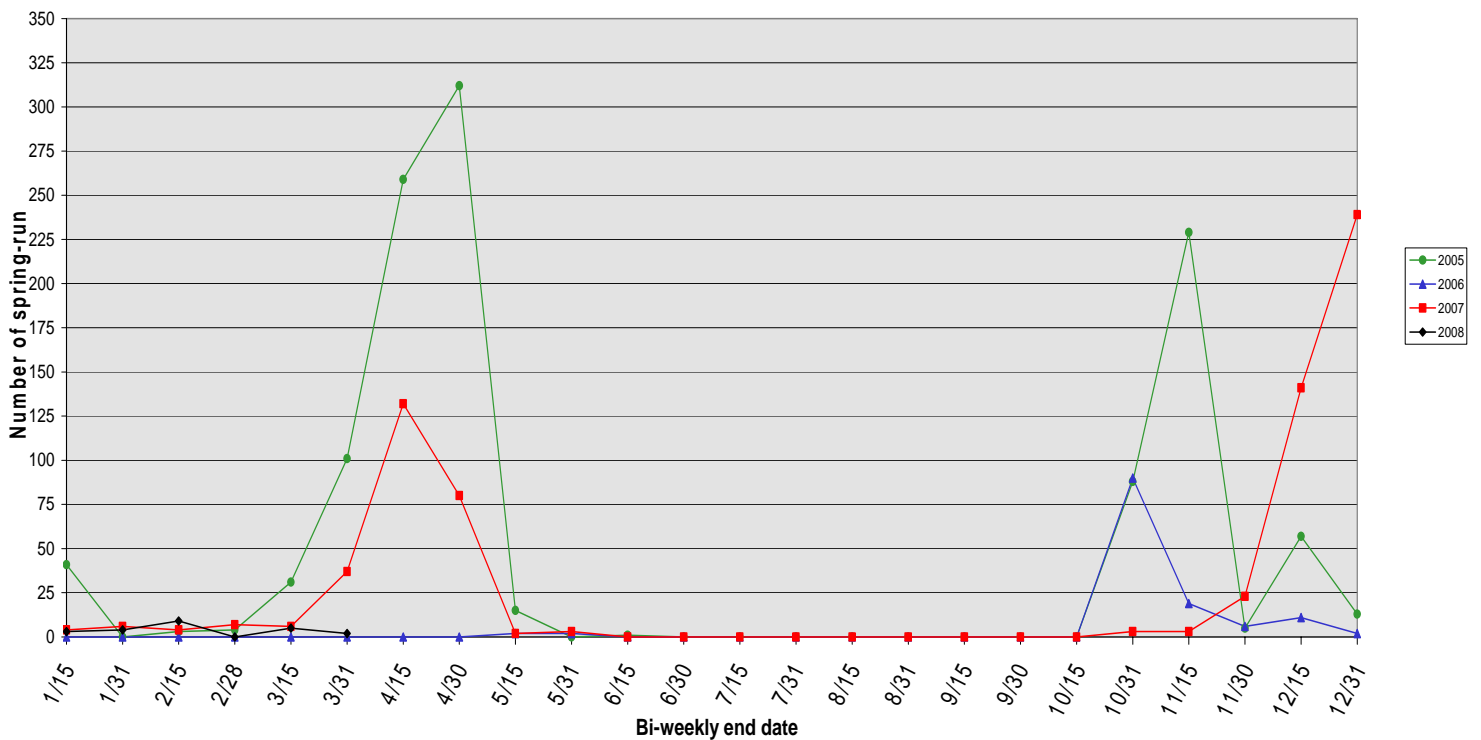


Figure 3. Summary of unmarked juvenile late-fall run Chinook salmon recoveries in the Department of Fish and Game's rotary screw trap located at the GCID fish screen facility, 2005 through 2008.

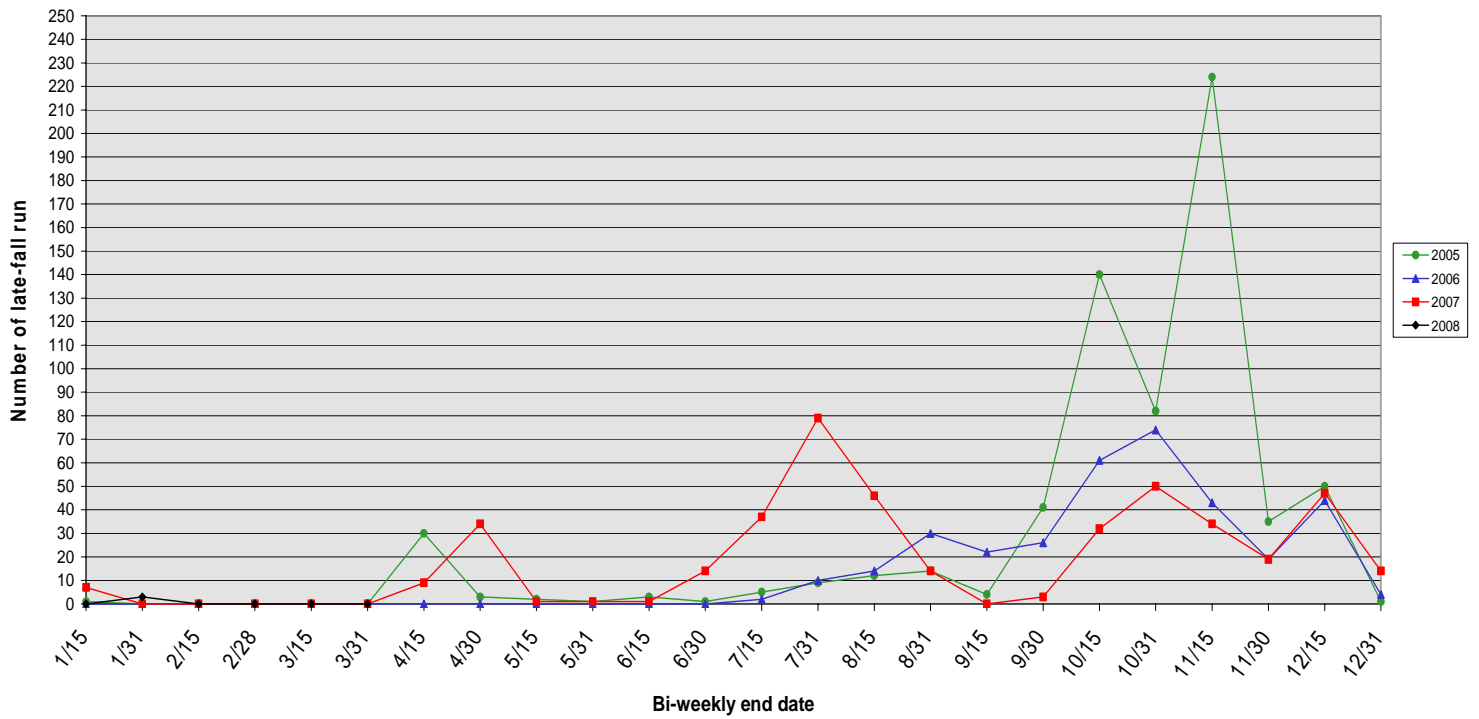


Figure 4. Summary of unmarked juvenile fall-run Chinook salmon recoveries in the Department of Fish and Game's rotary screw trap located at the GCID fish screen facility, 2005 through 2008.

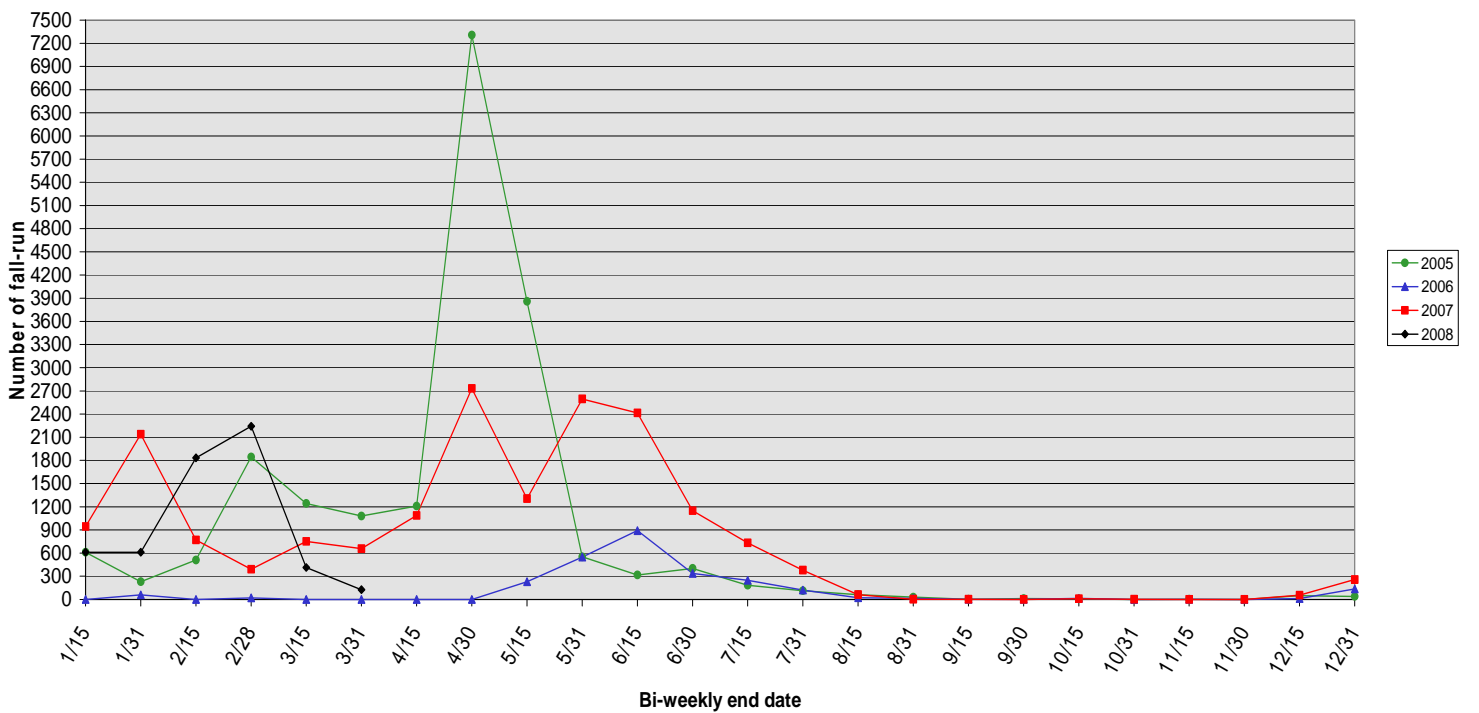


Table 1. Daily river conditions at the Department of Fish and Game's Sacramento River juvenile salmonid emigration monitoring project located at the GCID fish screen facility, March 2008.

Date	Turbidity	GCID Pumping(cfs)	GCID Bypass Flow(cfs)	River Flow(cfs)	Percent of river flow diverted into bypass channel
3/1/2008	10.8	0	n/a	n/a	n/a
3/2/2008	11.9	0	n/a	n/a	n/a
3/3/2008	10.2	0	832	7,897	10.54%
3/4/2008	7.48	0	775	7,272	10.66%
3/5/2008	6.28	0	753	7,035	10.70%
3/6/2008	5.58	0	751	7,009	10.71%
3/7/2008	3.13	0	1005	6,802	14.78%
3/8/2008	4.2	0	n/a	n/a	n/a
3/9/2008	3.01	0	n/a	n/a	n/a
3/10/2008	3.4	0	978	6,474	15.11%
3/11/2008	3.43	0	973	6,499	14.97%
3/12/2008	7.57	0	990	6,650	14.89%
3/13/2008	6.48	0	995	6,700	14.85%
3/14/2008	24.7	0	1097	7,140	15.36%
3/15/2008	n/a	0	n/a	n/a	n/a
3/16/2008	9.9	0	n/a	n/a	n/a
3/17/2008	3.22	0	975	6,499	15.00%
3/18/2008	6.23	0	945	6,202	15.24%
3/19/2008	3.5	300	918	6,237	19.53%
3/20/2008	5.06	300	920	6,260	19.49%
3/21/2008	5.2	300	945	6,502	19.15%
3/22/2008	3.92	250	932	6,331	18.67%
3/23/2008	3.72	250	915	6,163	18.90%
3/24/2008	3.84	250	916	6,163	18.92%
3/25/2008	4.44	350	910	6,215	20.27%
3/26/2008	3.56	350	913	6,802	18.57%
3/27/2008	4.04	450	906	6,268	21.63%
3/28/2008	2.5	450	890	6,104	21.95%
3/29/2008	4.08	450	887	5,989	22.32%
3/30/2008	2.92	450	869	5,909	22.32%
3/31/2008	3.43	450	911	6,265	21.72%